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**Notice of Allowability**

Application No.

10/781,382

Examiner

Carol S. Tsai

Applicant(s)

PIERRY ET AL.

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2857

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 4/5/2005.
2. ☒ The allowed claim(s) is/are 1-8.
3. ☒ The drawings filed on 21 June 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 4/5/2005
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

**DETAILED ACTION**

*Allowable Subject Matter*

1. Claims 1-8 are allowed.
2. The following is an examiner's statement of reasons for allowance:

U. S. Publication 2003/0190262 to Blazewicz et al. is the reference closest to the claimed invention. Blazewicz et al. disclose a respiratory gas monitoring system comprising: a plurality of gas measurement systems, wherein each gas measurement system is adapted to be placed in fluid communication with an airway of a patient to measure at least one respiratory gas, and wherein each gas measurement system includes processing means for determining, from the respiratory gas, at least one respiratory variable of such a patient. However, Blazewicz et al. do not teach an interface unit having a input coupling and an output; and each gas measurement system has an output coupling that is adapted to be removable coupled to the input coupling of the interface unit, wherein each gas measurement system includes processing means for providing an output to the interface unit via the output coupling; and including all of the other limitations in the respective independent claims.

U. S. Patent No. 6,325,978 to Labuda et al. in view of U. S. Patent No. 6,828,910 to VanRyzin et al. are references closest to the claimed invention. Labuda et al. in combination with VanRyzin et al. disclose a sidestream gas measurement system adapted to communicate with a host system, the sidestream gas measurement system comprising: a housing; a sample cell connector associated with the housing and adapted to receive a sample cell; a gas sensor disposed in the housing relative to the sample cell connector so as to be in communication with

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the sample cell responsive to the sample cell being received in the sample cell connector, and wherein the gas sensor outputs a signal indicative of a property of a gas in the sample cell; emulation means, receiving the signal from the gas sensor, and using the signal in an output signal to simulate signals of output by a mainstream gas measurement system; and a communication element operatively coupled to the emulation means to interface the sidestream gas measurement system with such a host system However, Labuda et al. in combination with VanRyzin et al. do not teach the host system that is configured to communicate only with a mainstream gas measurement system; and including all of the other limitations in the respective independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### *Contact Information*

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carol S. W. Tsai whose telephone number is (571) 272-2224. The examiner can normally be reached on Monday-Friday from 8:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marc S. Hoff can be reached on (571) 272-2216. The fax number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 886-217-9197 (toll-free).



Carol S. W. Tsai  
Primary Examiner  
Art Unit 2857

cswt  
May 26, 2005